

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051816\
 Data File : BF087174.D
 Acq On : 19 May 2016 6:45
 Operator : UM/SJ
 Sample : H3106-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-04

Quant Time: May 19 07:41:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

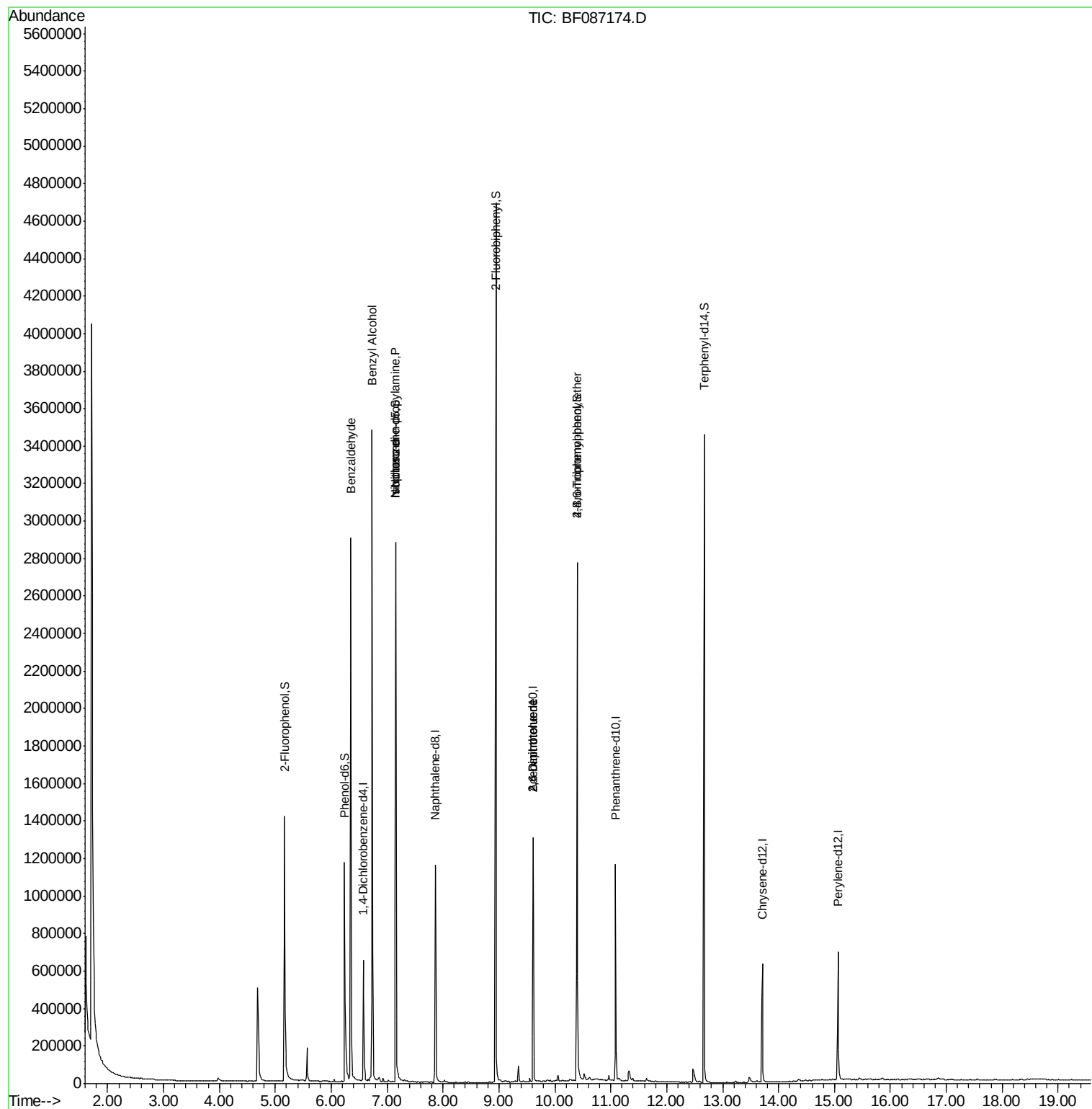
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.57	152	121382	20.00	ng	-0.03
21) Naphthalene-d8	7.86	136	497631	20.00	ng	-0.03
38) Acenaphthene-d10	9.61	164	237108	20.00	ng	-0.03
63) Phenanthrene-d10	11.08	188	383506	20.00	ng	-0.03
75) Chrysene-d12	13.71	240	287483	20.00	ng	-0.05
86) Perylene-d12	15.06	264	286570	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	510611	70.71	ng	-0.03
7) Phenol-d6	6.24	99	421673	43.54	ng	-0.05
23) Nitrobenzene-d5	7.15	82	942400	94.38	ng	-0.03
41) 2,4,6-Tribromophenol	10.40	330	311053	118.72	ng	-0.05
44) 2-Fluorobiphenyl	8.95	172	1569311	109.61	ng	-0.03
78) Terphenyl-d14	12.67	244	1242564	97.77	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.35	77	25110	3.59	ng	# 81
15) Benzyl Alcohol	6.73	79	16951	2.35	ng	# 44
19) n-Nitroso-di-n-propylamine	7.15	70	133707	18.16	ng	# 74
25) Isophorone	7.15	82	742501	40.62	ng	# 68
50) 2,6-Dinitrotoluene	9.61	165	29989	7.64	ng	# 21
56) 2,4-Dinitrotoluene	9.61	165	29989	5.96	ng	# 16
66) 4-Bromophenyl-phenylether	10.40	248	20011	5.07	ng	# 1

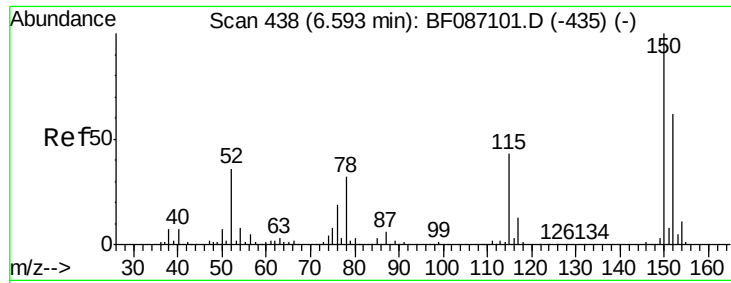
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.57 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampled :

W-04

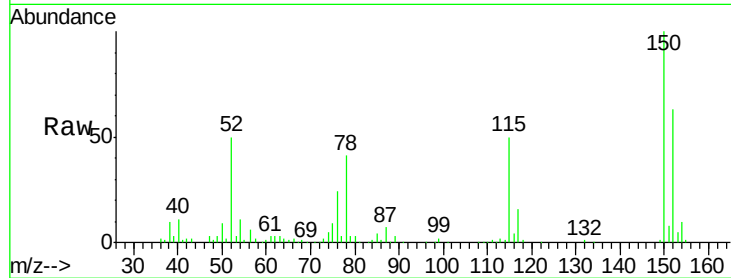
Tgt Ion:152 Resp: 121382

Ion Ratio Lower Upper

152 100

150 158.8 125.8 188.6

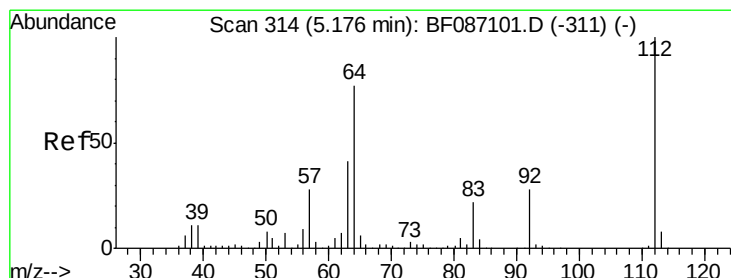
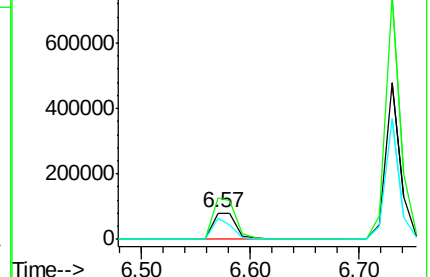
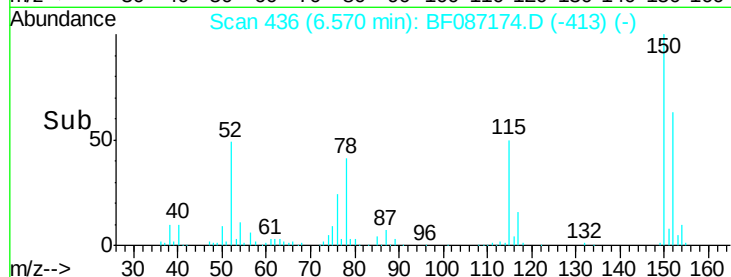
115 79.9 51.5 77.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 70.71 ng

RT: 5.16 min Scan# 313

Delta R.T. -0.03 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

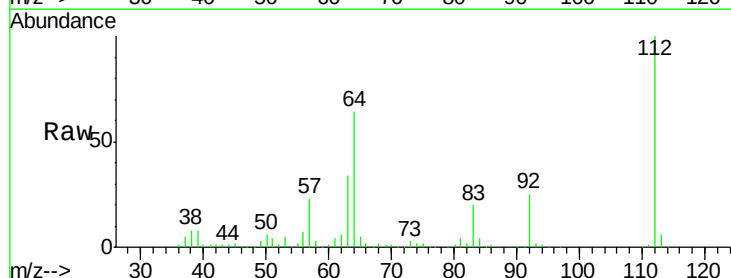
Tgt Ion:112 Resp: 510611

Ion Ratio Lower Upper

112 100

64 63.8 52.1 78.1

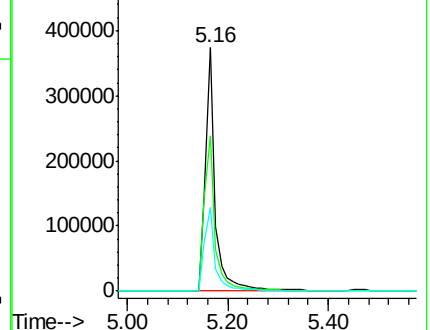
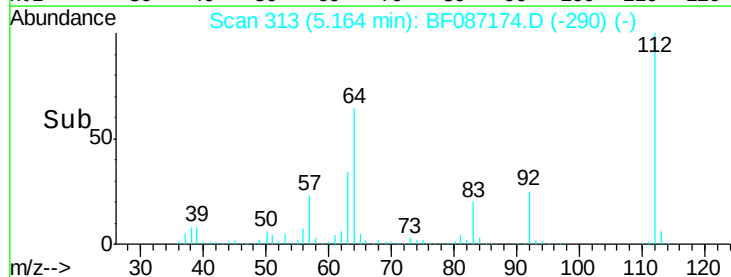
63 34.5 25.7 38.5

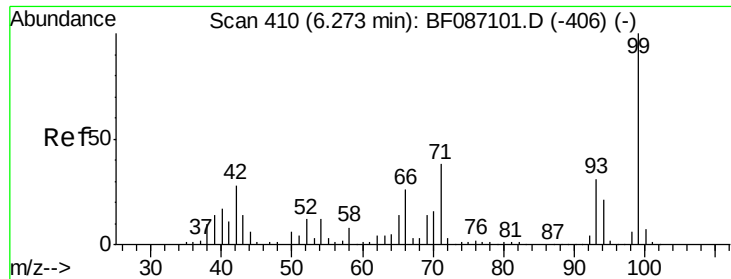


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.54 ng

RT: 6.24 min Scan# 407

Delta R.T. -0.05 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampleId :

W-04

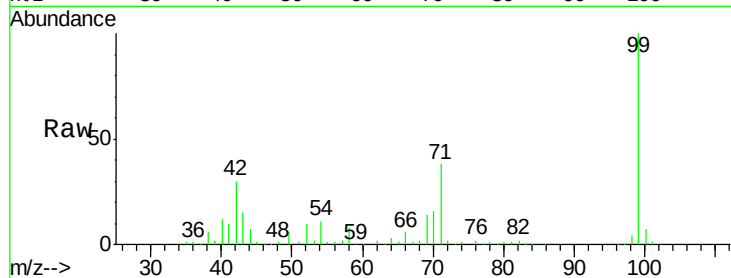
Tgt Ion: 99 Resp: 421673

Ion Ratio Lower Upper

99 100

42 30.1 13.6 20.4#

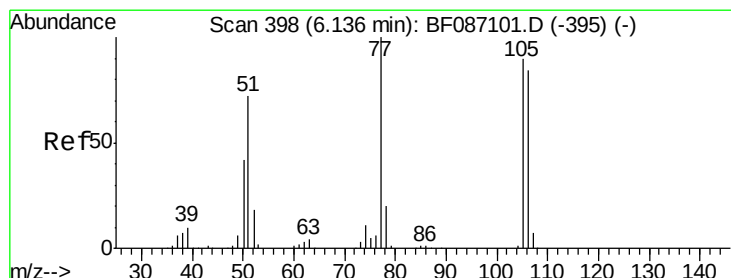
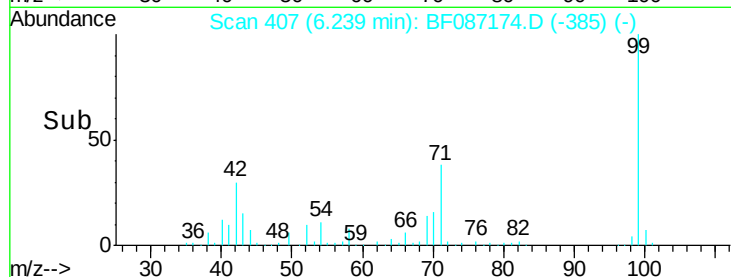
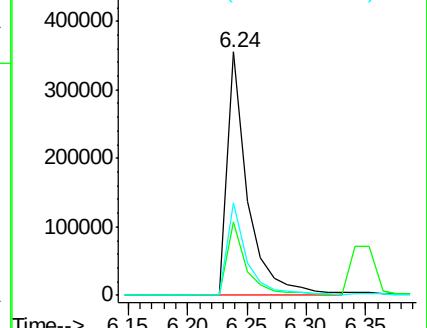
71 38.0 24.6 36.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.59 ng

RT: 6.35 min Scan# 417

Delta R.T. 0.21 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

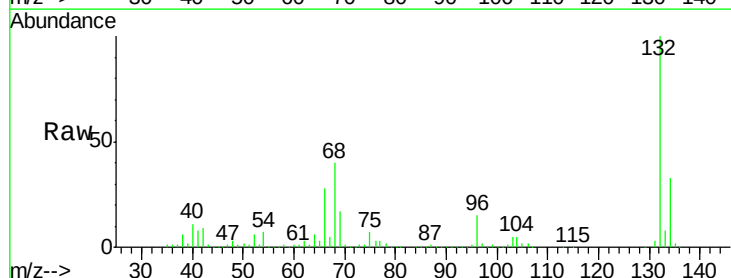
Tgt Ion: 77 Resp: 25110

Ion Ratio Lower Upper

77 100

105 77.6 72.7 112.7

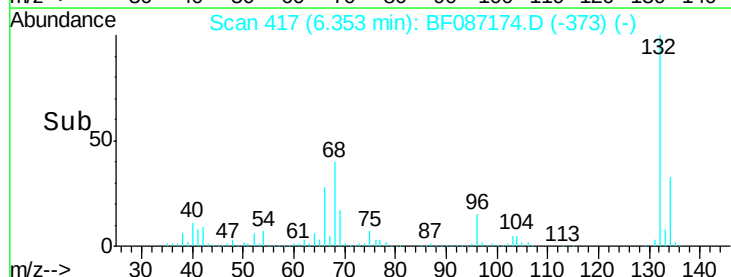
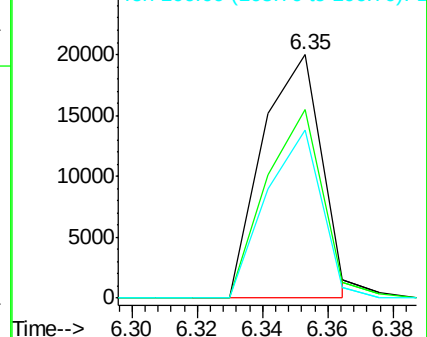
106 69.1 70.8 110.8#

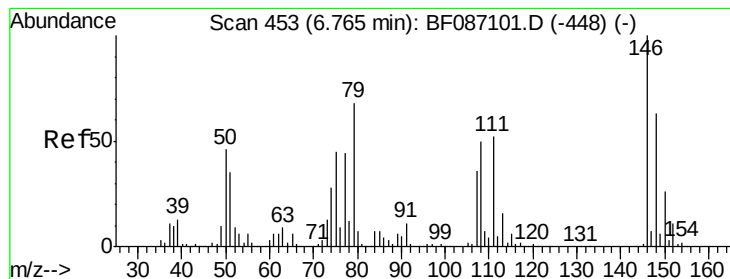


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.35 ng

RT: 6.73 min Scan# 450

Delta R.T. -0.05 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampleId :

W-04

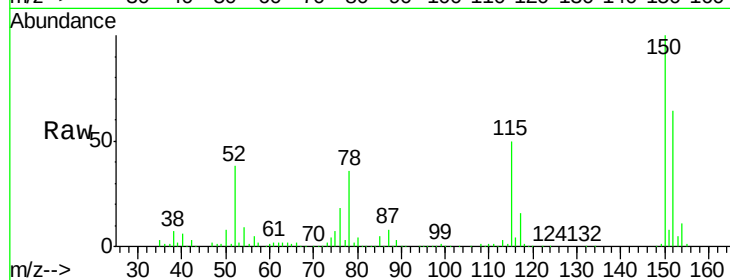
Tgt Ion: 79 Resp: 16951

Ion Ratio Lower Upper

79 100

108 29.7 68.4 102.6#

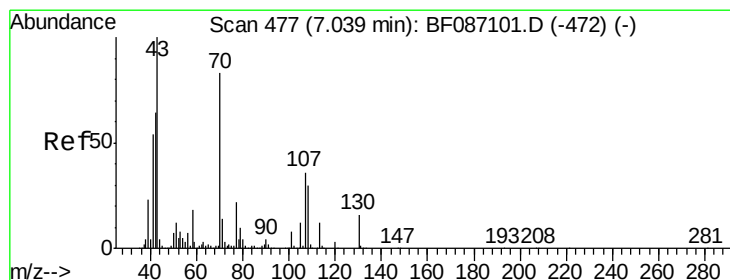
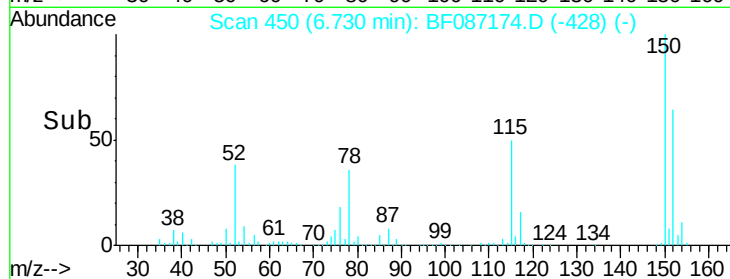
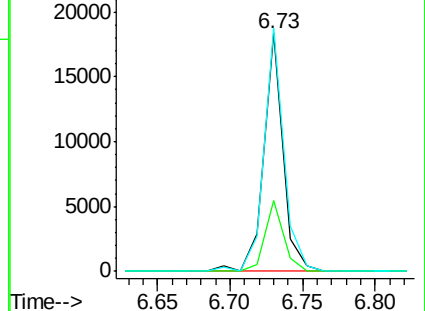
77 102.3 50.6 76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.16 ng

RT: 7.15 min Scan# 487

Delta R.T. 0.10 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Tgt Ion: 70 Resp: 133707

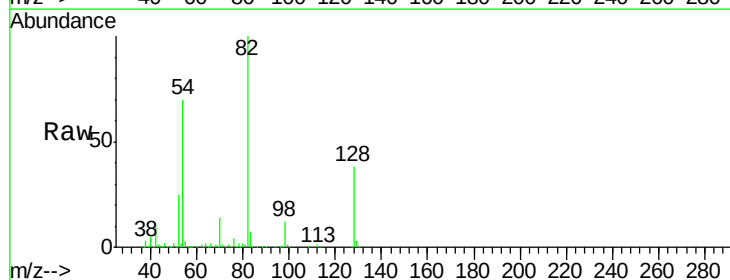
Ion Ratio Lower Upper

70 100

42 66.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.8 18.6 28.0#

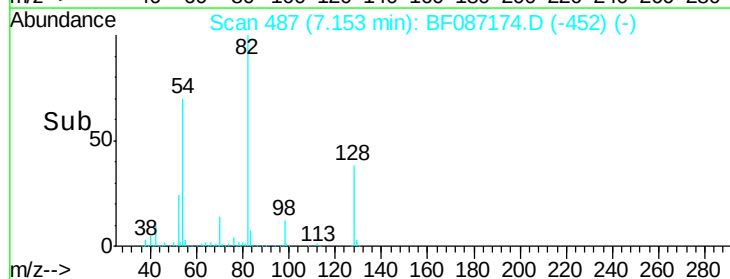
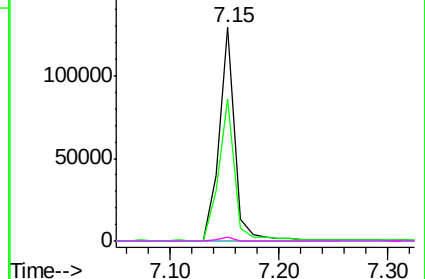


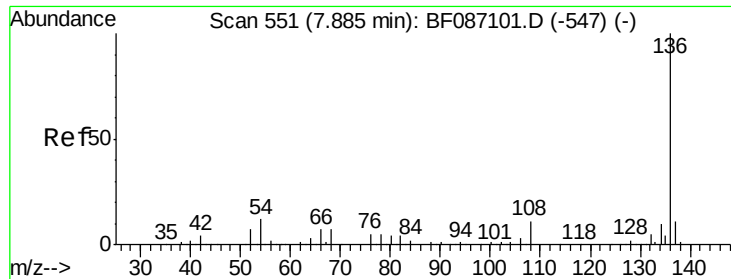
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

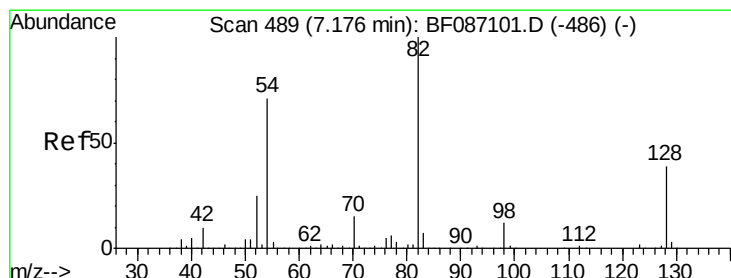
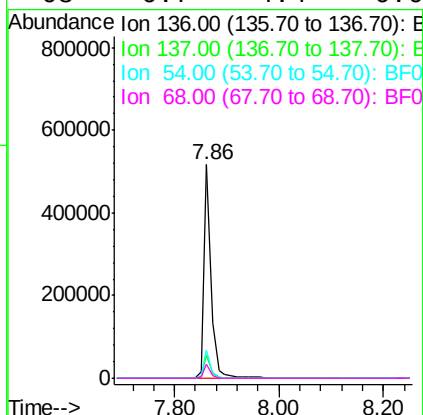
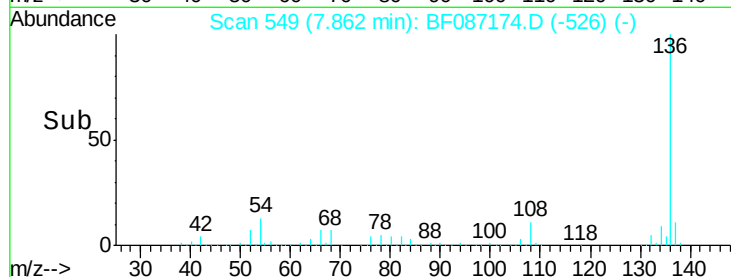
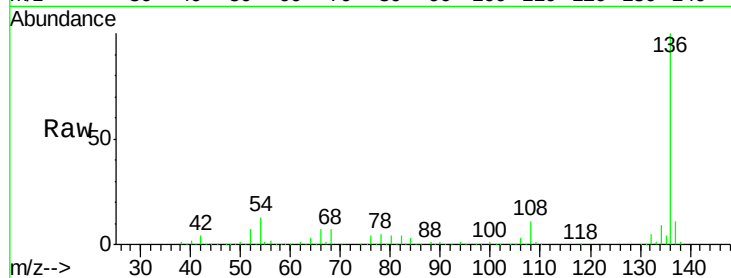




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.86 min Scan# 549
Delta R.T. -0.03 min
Lab File: BF087174.D
Acq: 19 May 2016 6:45

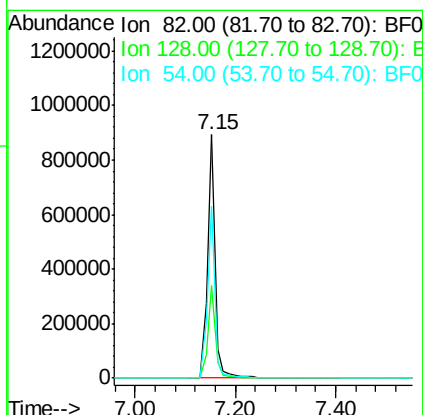
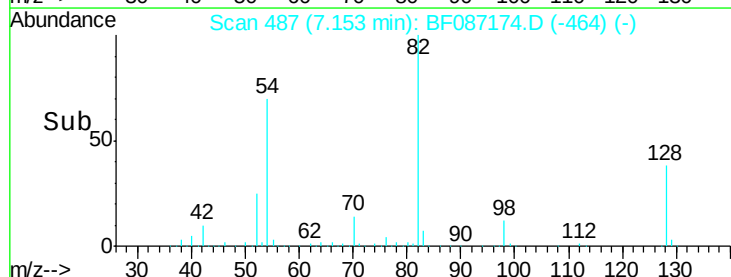
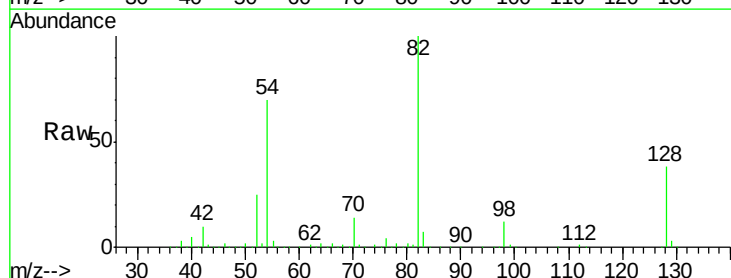
Instrument :
BNA_F
ClientSampleId :
W-04

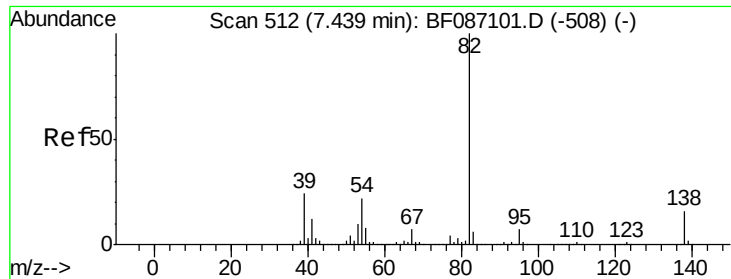
Tgt Ion:	136	Resp:	497631
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	13.2	5.0	7.4#
68	6.7	4.4	6.6#



#23
Nitrobenzene-d5
Concen: 94.38 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.03 min
Lab File: BF087174.D
Acq: 19 May 2016 6:45

Tgt Ion:	82	Resp:	942400
Ion	Ratio	Lower	Upper
82	100		
128	38.0	40.6	61.0#
54	70.4	38.1	57.1#





#25

Isophorone

Concen: 40.62 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.30 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampleId :

W-04

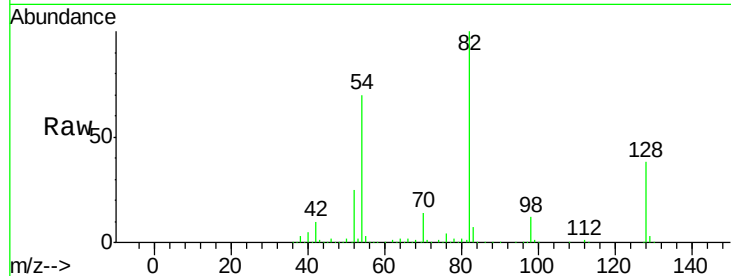
Tgt Ion: 82 Resp: 742501

Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

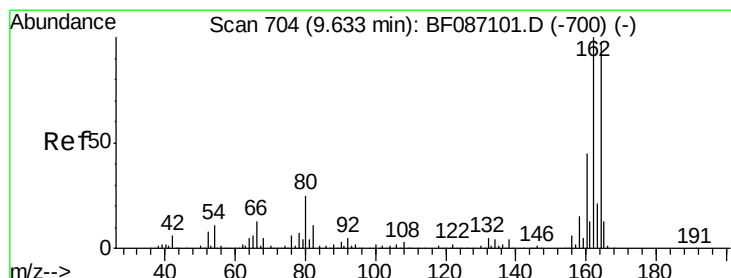
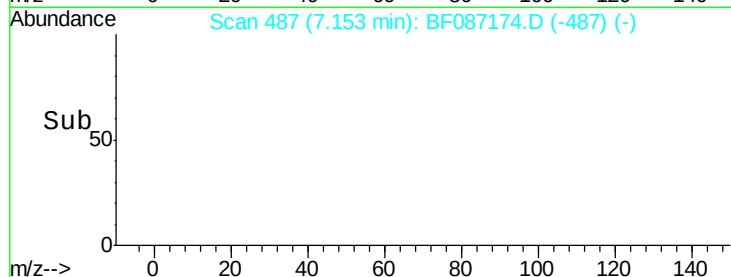
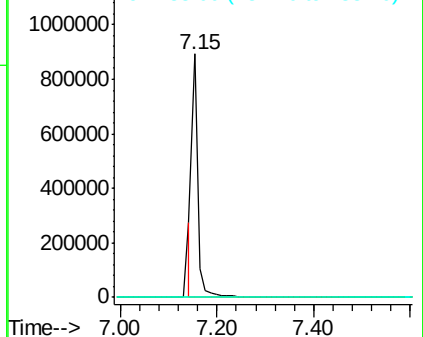
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.03 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

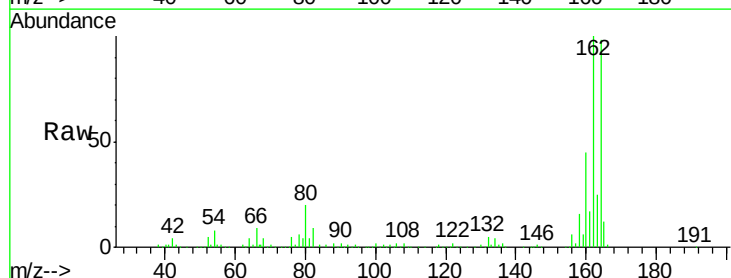
Tgt Ion: 164 Resp: 237108

Ion Ratio Lower Upper

164 100

162 102.4 82.8 124.2

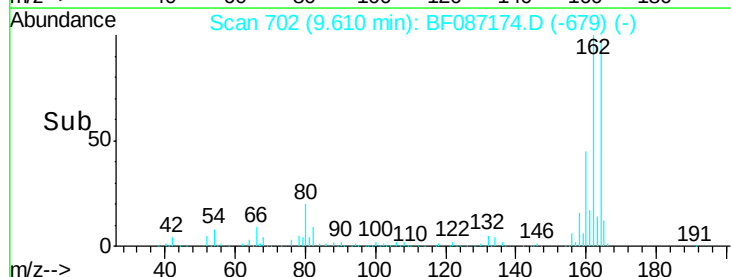
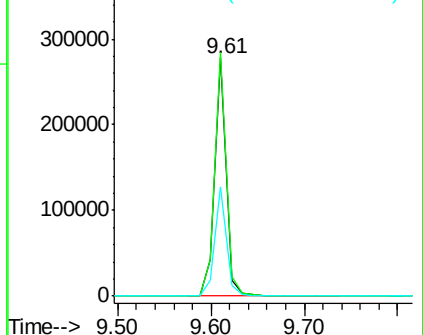
160 45.9 36.9 55.3

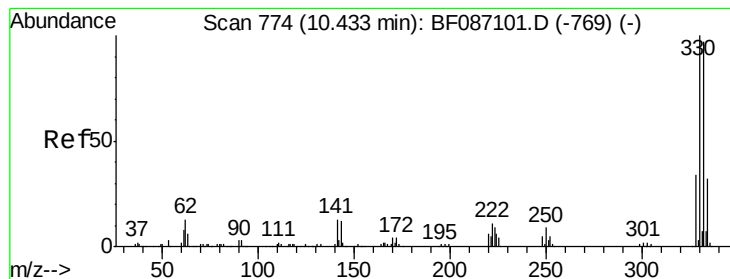


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

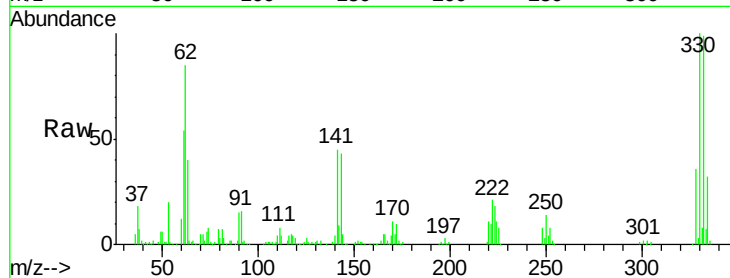




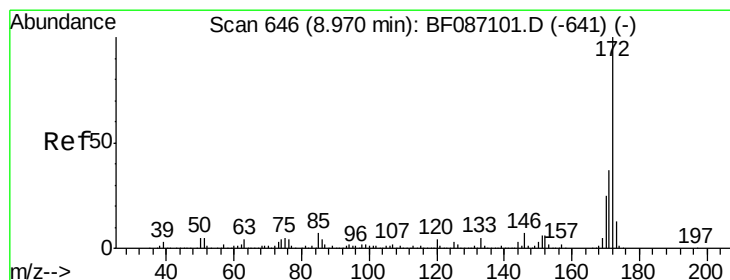
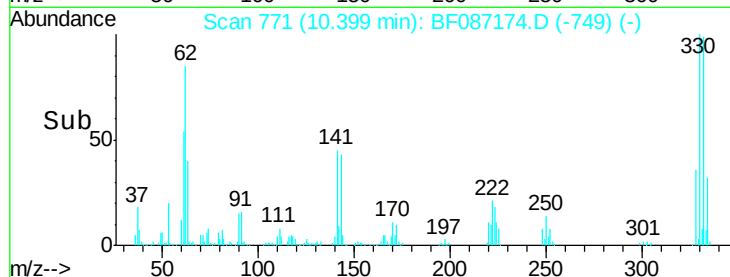
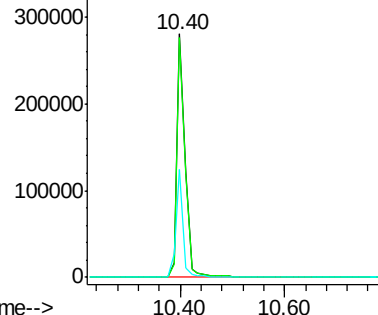
#41
 2,4,6-Tribromophenol
 Concen: 118.72 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.05 min
 Lab File: BF087174.D
 Acq: 19 May 2016 6:45

Instrument :
 BNA_F
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 W-04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	79.0	118.4
141	38.4	31.2	46.8

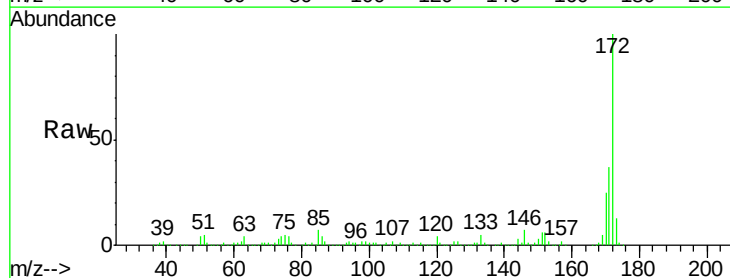


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

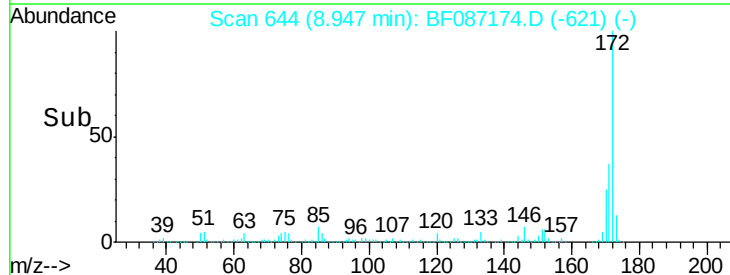
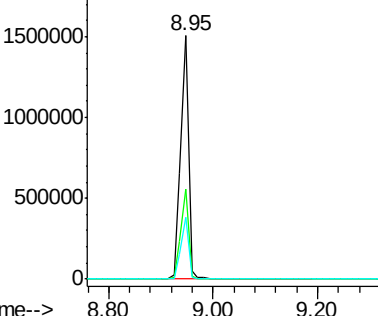


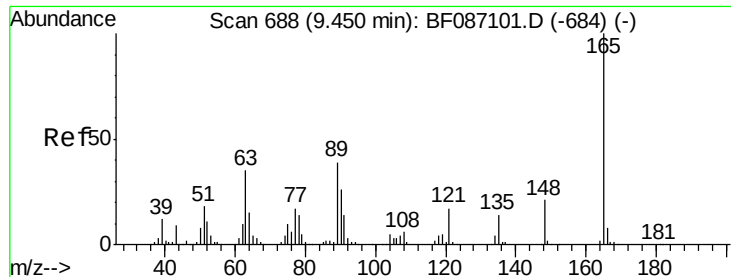
#44
 2-Fluorobiphenyl
 Concen: 109.61 ng
 RT: 8.95 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: BF087174.D
 Acq: 19 May 2016 6:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.0	43.6
170	25.2	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 9.61 min Scan# 702

Delta R.T. 0.15 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampleId :

W-04

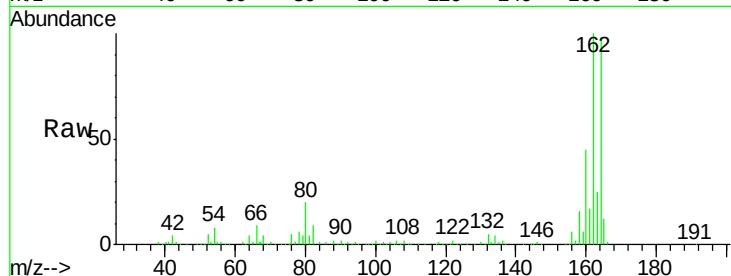
Tgt Ion:165 Resp: 29989

Ion Ratio Lower Upper

165 100

63 2.1 51.8 77.8#

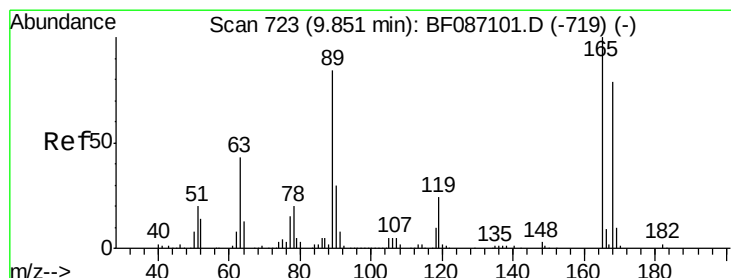
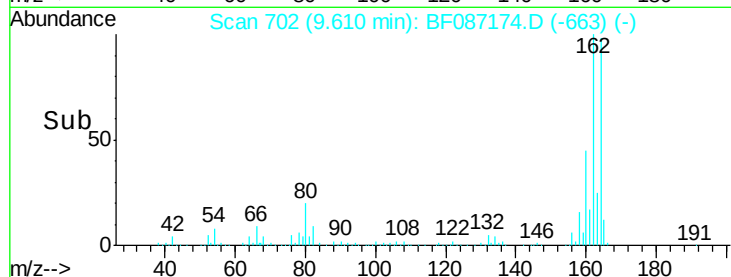
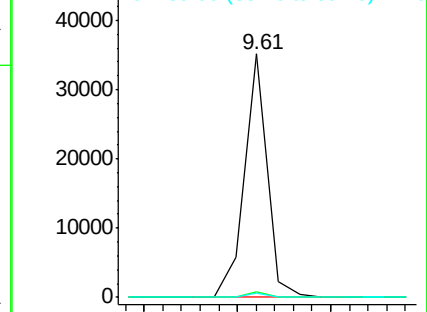
89 2.0 50.7 76.1#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 5.96 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.25 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Tgt Ion:165 Resp: 29989

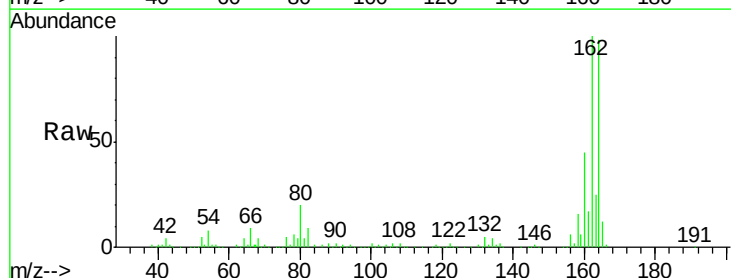
Ion Ratio Lower Upper

165 100

63 2.1 44.3 66.5#

89 2.0 70.0 105.0#

182 0.0 1.8 2.6#

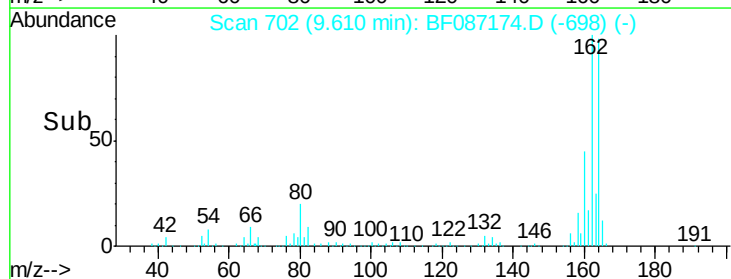
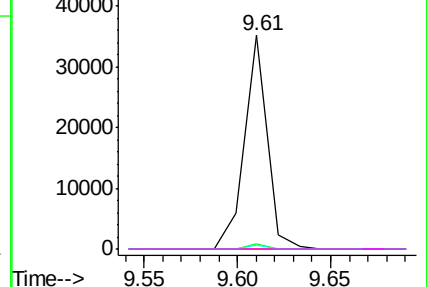


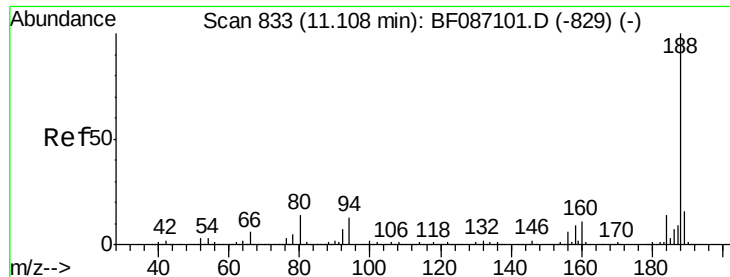
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

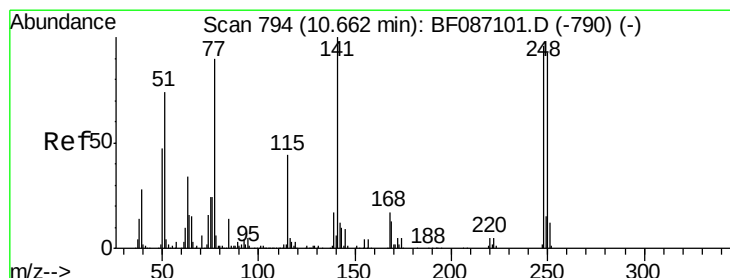
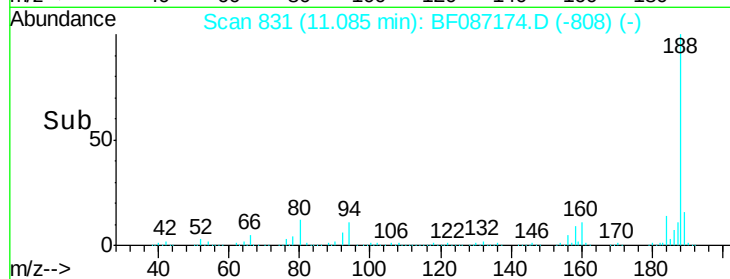
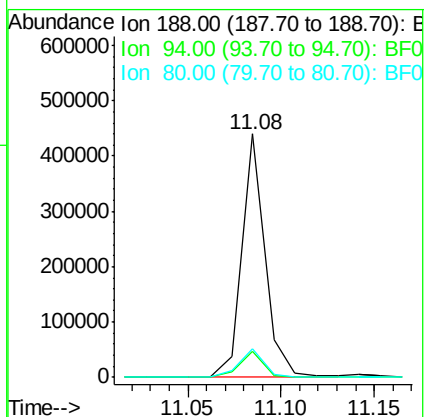
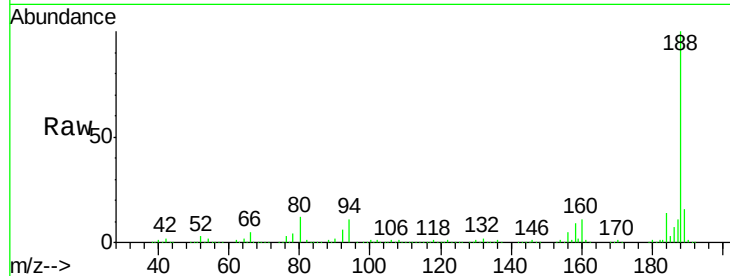




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.08 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: BF087174.D
 Acq: 19 May 2016 6:45

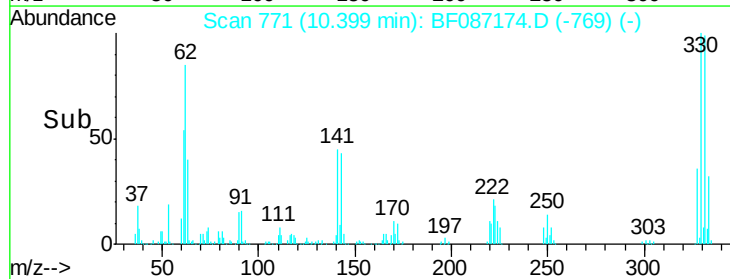
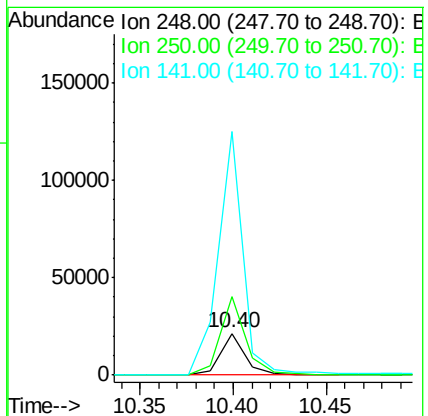
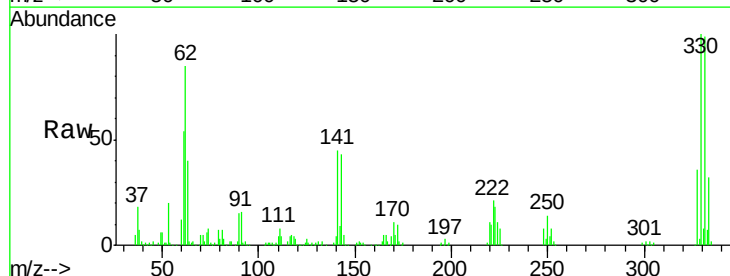
Instrument :
 BNA_F
 ClientSampleId :
 W-04

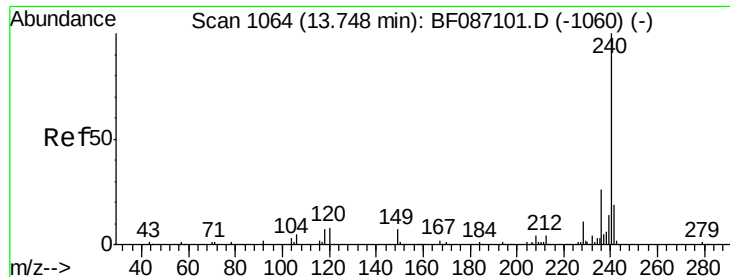
Tgt Ion:188 Resp: 383506
 Ion Ratio Lower Upper
 188 100
 94 10.6 6.8 10.2#
 80 11.8 7.1 10.7#



#66
 4-Bromophenyl-phenylether
 Concen: 5.07 ng
 RT: 10.40 min Scan# 771
 Delta R.T. -0.27 min
 Lab File: BF087174.D
 Acq: 19 May 2016 6:45

Tgt Ion:248 Resp: 20011
 Ion Ratio Lower Upper
 248 100
 250 187.9 78.6 117.8#
 141 580.3 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.05 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

Instrument :

BNA_F

ClientSampleId :

W-04

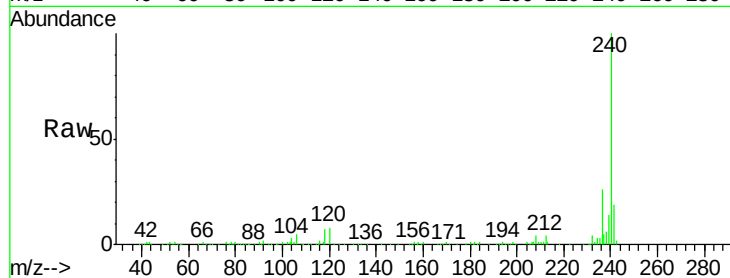
Tgt Ion:240 Resp: 287483

Ion Ratio Lower Upper

240 100

120 8.5 11.2 16.8#

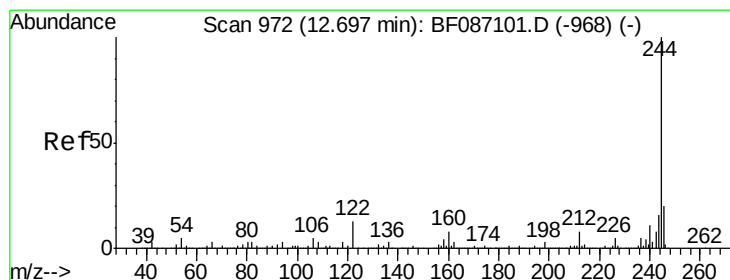
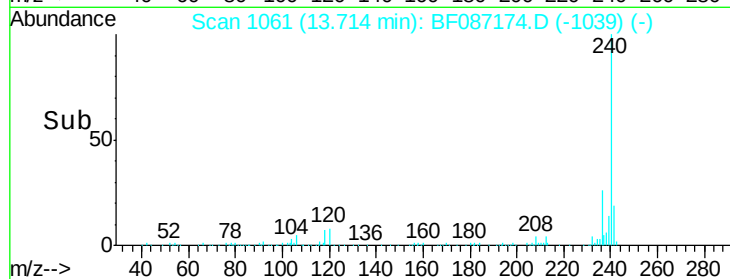
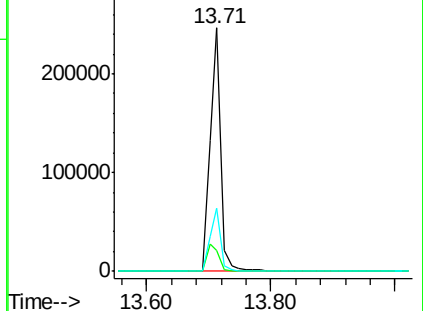
236 26.0 21.2 31.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 97.77 ng

RT: 12.67 min Scan# 970

Delta R.T. -0.03 min

Lab File: BF087174.D

Acq: 19 May 2016 6:45

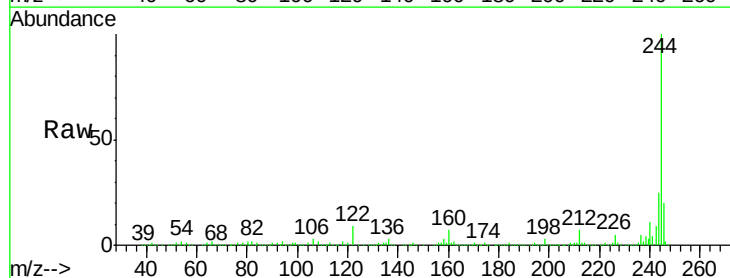
Tgt Ion:244 Resp: 1242564

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

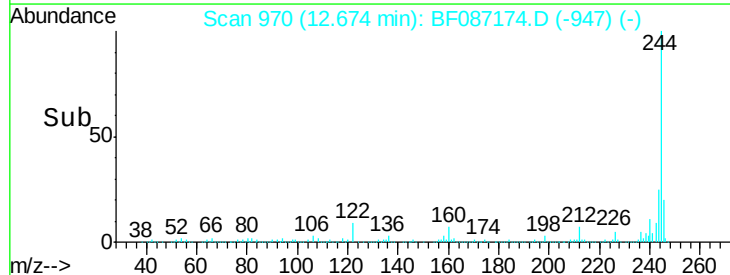
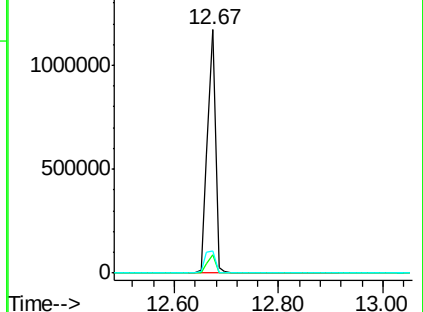
122 9.3 12.0 18.0#

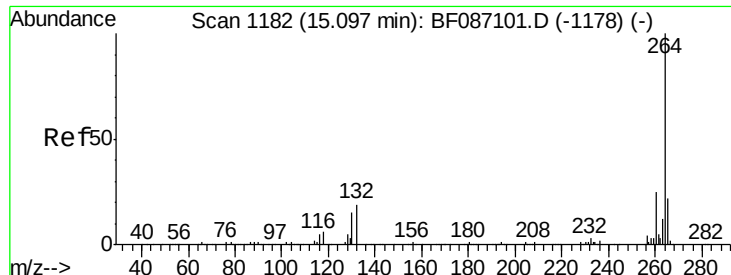


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

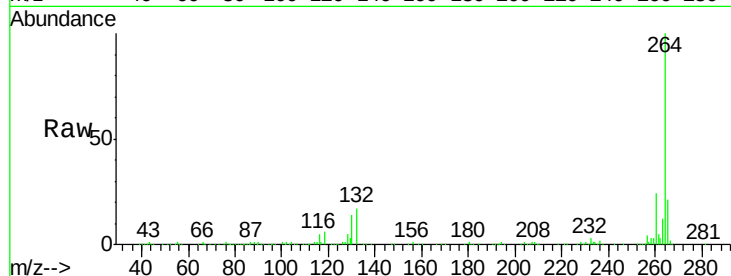




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF087174.D
Acq: 19 May 2016 6:45

Instrument :
BNA_F
ClientSampleId :
W-04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	21.2	17.3	25.9



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

